Abdul Majid Wazwaz

List of Publications by Year
in descending order

541	24,182	7069 78	18606 119
papers	citations	h-index	g-index

547	547	547	3653
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Partial Differential Equations and Solitary Waves Theory. Nonlinear Physical Science, 2009, , .	0.2	608
2	A reliable modification of Adomian decomposition method. Applied Mathematics and Computation, 1999, 102, 77-86.	1.4	493
3	The tanh method for traveling wave solutions of nonlinear equations. Applied Mathematics and Computation, 2004, 154, 713-723.	1.4	457
4	A new algorithm for calculating adomian polynomials for nonlinear operators. Applied Mathematics and Computation, 2000, 111, 33-51.	1.4	450
5	Linear and Nonlinear Integral Equations. , 2011, , .		338
6	A new algorithm for solving differential equations of Laneâ€“Emden type. Applied Mathematics and Computation, 2001, 118, 287-310.	1.4	305
7	The extended tanh method for new solitons solutions for many forms of the fifth-order KdV equations. Applied Mathematics and Computation, 2007, 184, 1002-1014.	1.4	239
8	A new modification of the Adomian decomposition method for linear and nonlinear operators. Applied Mathematics and Computation, 2001, 122, 393-405.	1.4	238
9	The tanh method: solitons and periodic solutions for the Doddâ€“Bulloughâ€“Mikhailov and the Tzitzeicaâ€“Doddâ€“Bullough equations. Chaos, Solitons and Fractals, 2005, 25, 55-63.	2.5	238
10	Multiple-soliton solutions for the KP equation by Hirotaâ€™s bilinear method and by the tanhâ€“coth method. Applied Mathematics and Computation, 2007, 190, 633-640.	1.4	237
11	New solitons and kink solutions for the Gardner equation. Communications in Nonlinear Science and Numerical Simulation, 2007, 12, 1395-1404.	1.7	232
12	The tanhâ€“coth method for solitons and kink solutions for nonlinear parabolic equations. Applied Mathematics and Computation, 2007, 188, 1467-1475.	1.4	222
13	A new method for solving singular initial value problems in the second-order ordinary differential equations. Applied Mathematics and Computation, 2002, 128, 45-57.	1.4	220
14	Adomian decomposition method for a reliable treatment of the Bratu-type equations. Applied Mathematics and Computation, 2005, 166, 652-663.	1.4	209
15	The extended tanh method for abundant solitary wave solutions of nonlinear wave equations. Applied Mathematics and Computation, 2007, 187, 1131-1142.	1.4	193
16	The tanh method: exact solutions of the sine-Gordon and the sinh-Gordon equations. Applied Mathematics and Computation, 2005, 167, 1196-1210.	1.4	185
17	Solving the $$mathbf{(3+1) }$$ (3 + 1) -dimensional KPâ€“Boussinesq and BKPâ€“Boussinesq equations by the simplified Hirotaâ€™s method. Nonlinear Dynamics, 2017, 88, 3017-3021.	2.7	178
18	A study on linear and nonlinear Schrodinger equations by the variational iteration method. Chaos, Solitons and Fractals, 2008, 37, 1136-1142.	2.5	175

#	Article	IF	Citations
19	Adomian decomposition method for a reliable treatment of the Emdenâ€“Fowler equation. Applied Mathematics and Computation, 2005, 161, 543-560.	1.4	173
20	Analytical approximations and PadÃ© approximants for Volterra's population model. Applied Mathematics and Computation, 1999, 100, 13-25.	1.4	156
21	The tanh and the sineâ€“cosine methods for a reliable treatment of the modified equal width equation and its variants. Communications in Nonlinear Science and Numerical Simulation, 2006, 11, 148-160.	1.7	155
22	Multiple-soliton solutions for the Boussinesq equation. Applied Mathematics and Computation, 2007, 192, 479-486.	1.4	150
23	A comparison between the variational iteration method and Adomian decomposition method. Journal of Computational and Applied Mathematics, 2007, 207, 129-136.	1.1	149
24	The combined Laplace transformâ€“Adomian decomposition method for handling nonlinear Volterra integroâ€“differential equations. Applied Mathematics and Computation, 2010, 216, 1304-1309.	1.4	145
25	New extended Kadomtsevâ€“Petviashvili equation: multiple soliton solutions, breather, lump and interaction solutions. Nonlinear Dynamics, 2021, 104, 1581-1594.	2.7	142
26	The modified decomposition method and PadÃ© approximants for solving the Thomasâ€“Fermi equation. Applied Mathematics and Computation, 1999, 105, 11-19.	1.4	141
27	The Hirotaâ€™s direct method for multiple-soliton solutions for three model equations of shallow water waves. Applied Mathematics and Computation, 2008, 201, 489-503.	1.4	138
28	The extended tanh method for the Zakharovâ€“Kuznetsov (ZK) equation, the modified ZK equation, and its generalized forms. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 1039-1047.	1.7	138
29	The sineâ€“cosine method for obtaining solutions with compact and noncompact structures. Applied Mathematics and Computation, 2004, 159, 559-576.	1.4	137
30	New travelling wave solutions to the Boussinesq and the Kleinâ€“Gordon equations. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 889-901.	1.7	135
31	The modified decomposition method for analytic treatment of differential equations. Applied Mathematics and Computation, 2006, 173, 165-176.	1.4	131
32	The tanh method for generalized forms of nonlinear heat conduction and Burgersâ€“Fisher equations. Applied Mathematics and Computation, 2005, 169, 321-338.	1.4	130
33	Multiple-soliton solutions for extended <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mrow><mml:mo>(</mml:mo><mml:mn>3</mml:mn><mml:mo>+</mml:mo><mml:mn>1</mml:mn><mml:m limboâ€“Miwa equations. Applied Mathematics Letters, 2017, 64, 21-26.	1.5	130
34	The tanh and the sineâ€“cosine methods for compact and noncompact solutions of the nonlinear Kleinâ€“Gordon equation. Applied Mathematics and Computation, 2005, 167, 1179-1195.	1.4	129
35	The extended tanh method for new compact and noncompact solutions for the KPâ€“BBM and the ZKâ€“BBM equations. Chaos, Solitons and Fractals, 2008, 38, 1505-1516.	2.5	129
36	Multiple-front solutions for the Burgers equation and the coupled Burgers equations. Applied Mathematics and Computation, 2007, 190, 1198-1206.	1.4	128

#	Article	IF	Citations
37	Bright and dark soliton solutions for a equation with t-dependent coefficients. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 2162-2165.	0.9	123
38	Multiple-soliton solutions for the Calogeroâ€“Bogoyavlenskiiâ€“Schiff, Jimboâ€“Miwa and YTSF equations. Applied Mathematics and Computation, 2008, 203, 592-597.	1.4	122
39	Solitary wave solutions for modified forms of Degasperisâ€“Procesi and Camassaâ€“Holm equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 352, 500-504.	0.9	121
40	The Hirotaâ€™s direct method and the tanhâ€“coth method for multiple-soliton solutions of the Sawadaâ€“Koteraâ€“Ito seventh-order equation. Applied Mathematics and Computation, 2008, 199, 133-138.	1.4	121
41	The variational iteration method for rational solutions for KdV, x-min.gif overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	1.1	119
42	A general bilinear form to generate different wave structures of solitons for a (3+1)â€dimensional Boitiâ€Leonâ€Mannaâ€Pempinelli equation. Mathematical Methods in the Applied Sciences, 2019, 42, 6277-6283.	1.2	119
43	A comparison between Adomian decomposition method and Taylor series method in the series solutions. Applied Mathematics and Computation, 1998, 97, 37-44.	1.4	108
44	An efficient algorithm to construct multi-soliton rational solutions of the (2+ 1)-dimensional KdV equation with variable coefficients. Applied Mathematics and Computation, 2018, 321, 282-289.	1.4	107
45	A computational approach to soliton solutions of the Kadomtsevâ€“Petviashvili equation. Applied Mathematics and Computation, 2001, 123, 205-217.	1.4	106
46	Compactons, solitons and periodic solutions for some forms of nonlinear Kleinâ€“Gordon equations. Chaos, Solitons and Fractals, 2006, 28, 1005-1013.	2.5	105
47	The variational iteration method for solving linear and nonlinear systems of PDEs. Computers and Mathematics With Applications, 2007, 54, 895-902.	1.4	105
48	The decomposition method applied to systems of partial differential equations and to the reactionâ€“diffusion Brusselator model. Applied Mathematics and Computation, 2000, 110, 251-264.	1.4	103
49	New integrable Boussinesq equations of distinct dimensions with diverse variety of soliton solutions. Nonlinear Dynamics, 2019, 97, 83-94.	2.7	102
50	The numerical solution of sixth-order boundary value problems by the modified decomposition method. Applied Mathematics and Computation, 2001, 118, 311-325.	1.4	101
51	New solitary wave solutions to the modified forms of Degasperisâ€“Procesi and Camassaâ€“Holm equations. Applied Mathematics and Computation, 2007, 186, 130-141.	1.4	100
52	Optical soliton solutions to the generalized nonautonomous nonlinear SchrÃ¶dinger equations in optical fibers via the sine-Gordon expansion method. Optik, 2020, 208, 164132.	1.4	100
53	Dynamical analysis of lump solutions for (3 + 1) dimensional generalized KPâ€“Boussinesq equation and Its dimensionally reduced equations. Physica Scripta, 2018, 93, 075203.	1.2	99
54	Nature-inspired computing approach for solving non-linear singular Emdenâ€“Fowler problem arising in electromagnetic theory. Connection Science, 2015, 27, 377-396.	1.8	96

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55	A new (3+1)-dimensional generalized Kadomtsevâ€“Petviashvili equation. Nonlinear Dynamics, 2016, 84, 1107-1112.	2.7	96
56	The numerical solution of fifth-order boundary value problems by the decomposition method. Journal of Computational and Applied Mathematics, 2001, 136, 259-270.	1.1	95
57	The variational iteration method for solving two forms of Blasius equation on a half-infinite domain. Applied Mathematics and Computation, 2007, 188, 485-491.	1.4	95
58	Solving coupled Laneâ€“Emden boundary value problems in catalytic diffusion reactions by the Adomian decomposition method. Journal of Mathematical Chemistry, 2014, 52, 255-267.	0.7	95
59	Bright â€“ dark optical solitons for SchrÃ¶dinger-Hirota equation with variable coefficients. Optik, 2019, 179, 479-484.	1.4	95
60	The tanh method for travelling wave solutions to the Zhiberâ€“Shabat equation and other related equations. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 584-592.	1.7	93
61	Multiple-soliton solutions for a (3+1)-dimensional generalized KP equation. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 491-495.	1.7	93
62	A new integrable ($$3+1$$ 3 + 1)-dimensional KdV-like model with its multiple-soliton solutions. Nonlinear Dynamics, 2016, 83, 1529-1534.	2.7	93
63	The variational iteration method: A reliable analytic tool for solving linear and nonlinear wave equations. Computers and Mathematics With Applications, 2007, 54, 926-932.	1.4	92
64	The tanh method and the sineâ€“cosine method for solving the KP-MEW equation. International Journal of Computer Mathematics, 2005, 82, 235-246.	1.0	91
65	Gaussian solitary wave solutions for nonlinear evolution equations with logarithmic nonlinearities. Nonlinear Dynamics, 2016, 83, 591-596.	2.7	91
66	PainlevÃ© analysis and invariant solutions of generalized fifth-order nonlinear integrable equation. Nonlinear Dynamics, 2018, 94, 2469-2477.	2.7	91
67	Exact solutions with solitons and periodic structures for the Zakharovâ€“Kuznetsov (ZK) equation and its modified form. Communications in Nonlinear Science and Numerical Simulation, 2005, 10, 597-606.	1.7	89
68	A variety of nonautonomous complex wave solutions for the (2+1)-dimensional nonlinear SchrÃ¶dinger equation with variable coefficients in nonlinear optical fibers. Optik, 2019, 180, 917-923.	1.4	89
69	A (2+1)-dimensional Kadomtsevâ€“Petviashvili equation with competing dispersion effect: PainlevÃ© analysis, dynamical behavior and invariant solutions. Results in Physics, 2021, 23, 104043.	2.0	89
70	A new (3+1)-dimensional Kadomtsevâ€“Petviashvili equation and its integrability, multiple-solitons, breathers and lump waves. Mathematics and Computers in Simulation, 2021, 187, 505-519.	2.4	88
71	Distinct variants of the KdV equation with compact and noncompact structures. Applied Mathematics and Computation, 2004, 150, 365-377.	1.4	87
72	A reliable treatment for mixed Volterraâ€“Fredholm integral equations. Applied Mathematics and Computation, 2002, 127, 405-414.	1.4	86

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73	Abundant complex wave solutions for the nonautonomous Fokasâ€“Lenells equation in presence of perturbation terms. Optik, 2019, 181, 503-513.	1.4	86
74	Lie symmetry analysis, exact analytical solutions and dynamics of solitons for (2 + 1)-dimensional NNV equations. Physica Scripta, 2020, 95, 095204.	1.2	86
75	New exact solitary wave solutions of the strain wave equation in microstructured solids via the generalized exponential rational function method. European Physical Journal Plus, 2020, 135, 1.	1.2	86
76	A reliable algorithm for solving boundary value problems for higher-order integro-differential equations. Applied Mathematics and Computation, 2001, 118, 327-342.	1.4	85
77	Combined optical solitary waves of the Fokasâ€”Lenells equation. Waves in Random and Complex Media, 2017, 27, 587-593.	1.6	85
78	Two-mode fifth-order KdV equations: necessary conditions for multiple-soliton solutions to exist. Nonlinear Dynamics, 2017, 87, 1685-1691.	2.7	82
79	Adomian decomposition method for solving the Volterra integral form of the Laneâ€“Emden equations with initial values and boundary conditions. Applied Mathematics and Computation, 2013, 219, 5004-5019.	1.4	81
80	New solitons and kinks solutions to the Sharmaâ€“Tassoâ€“Olver equation. Applied Mathematics and Computation, 2007, 188, 1205-1213.	1.4	80
81	The variational iteration method for solving nonlinear singular boundary value problems arising in various physical models. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 3881-3886.	1.7	80
82	Multiple soliton solutions and multiple complex soliton solutions for two distinct Boussinesq equations. Nonlinear Dynamics, 2016, 85, 731-737.	2.7	80
83	General solutions with solitary patterns for the defocusing branch of the nonlinear dispersive K(n,n) equations in higher dimensional spaces. Applied Mathematics and Computation, 2002, 133, 229-244.	1.4	79
84	New solitary wave solutions to the Kuramoto-Sivashinsky and the Kawahara equations. Applied Mathematics and Computation, 2006, 182, 1642-1650.	1.4	78
85	Multiple-front solutions for the Burgersâ€“Kadomtsevâ€“Petviashvili equation. Applied Mathematics and Computation, 2008, 200, 437-443.	1.4	78
86	Lump, breather and solitary wave solutions to new reduced form of the generalized BKP equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 569-579.	1.6	78
87	Solitons and singular solitons for the Gardnerâ€“KP equation. Applied Mathematics and Computation, 2008, 204, 162-169.	1.4	77
88	Travelling wave solutions of generalized forms of Burgers, Burgersâ€“KdV and Burgersâ€“Huxley equations. Applied Mathematics and Computation, 2005, 169, 639-656.	1.4	76
89	The variational iteration method for analytic treatment for linear and nonlinear ODEs. Applied Mathematics and Computation, 2009, 212, 120-134.	1.4	76
90	Necessary conditions for the appearance of noise terms in decomposition solution series. Applied Mathematics and Computation, 1997, 81, 265-274.	1.4	75

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91	The variational iteration method: A powerful scheme for handling linear and nonlinear diffusion equations. Computers and Mathematics With Applications, 2007, 54, 933-939.	1.4	75
92	General compactons solutions for the focusing branch of the nonlinear dispersive K(n,n) equations in higher-dimensional spaces. Applied Mathematics and Computation, 2002, 133, 213-227.	1.4	74
93	The Hirotaâ€™s bilinear method and the tanhâ€“coth method for multiple-soliton solutions of the Sawadaâ€“Koteraâ€“Kadomtsevâ€“Petviashvili equation. Applied Mathematics and Computation, 2008, 200, 160-166.	1.4	74
94	New (3 $$varvec{+}$$ + 1)-dimensional equations of Burgers type and Sharmaâ€“Tassoâ€“Olver type: multiple-soliton solutions. Nonlinear Dynamics, 2017, 87, 2457-2461.	2.7	73
95	Analytic treatment for variable coefficient fourth-order parabolic partial differential equations. Applied Mathematics and Computation, 2001, 123, 219-227.	1.4	72
96	Two reliable methods for solving variants of the KdV equation with compact and noncompact structures. Chaos, Solitons and Fractals, 2006, 28, 454-462.	2.5	72
97	The tanhâ€“coth and the sech methods for exact solutions of the Jaulentâ€“Miodek equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 366, 85-90.	0.9	72
98	New solitons and periodic wave solutions for the (2+1)-dimensional Heisenberg ferromagnetic spin chain equation. Journal of Electromagnetic Waves and Applications, 2016, 30, 788-794.	1.0	72
99	Analytical solution for the time-dependent Emdenâ€“Fowler type of equations by Adomian decomposition method. Applied Mathematics and Computation, 2005, 166, 638-651.	1.4	71
100	Analytic study on Burgers, Fisher, Huxley equations and combined forms of these equations. Applied Mathematics and Computation, 2008, 195, 754-761.	1.4	70
101	Abundant solutions of various physical features for the (2+1)-dimensional modified KdV-Calogeroâ€“Bogoyavlenskiiâ€“Schiff equation. Nonlinear Dynamics, 2017, 89, 1727-1732.	2.7	70
102	Two new integrable fourth-order nonlinear equations: multiple soliton solutions and multiple complex soliton solutions. Nonlinear Dynamics, 2018, 94, 2655-2663.	2.7	70
103	The modified decomposition method and PadÃ© approximants for a boundary layer equation in unbounded domain. Applied Mathematics and Computation, 2006, 177, 737-744.	1.4	69
104	Complex simplified Hirotaâ€™s forms and Lie symmetry analysis for multiple real and complex soliton solutions of the modified KdVâ€“Sine-Gordon equation. Nonlinear Dynamics, 2019, 95, 2209-2215.	2.7	69
105	Solitary wave solutions of the generalized shallow water wave (GSWW) equation by Hirotaâ€™s method, tanhâ€“coth method and Exp-function method. Applied Mathematics and Computation, 2008, 202, 275-286.	1.4	67
106	A new modified Adomian decomposition method and its multistage form for solving nonlinear boundary value problems with Robin boundary conditions. Applied Mathematical Modelling, 2013, 37, 8687-8708.	2.2	67
107	Exact solutions for the generalized sine-Gordon and the generalized sinh-Gordon equations. Chaos, Solitons and Fractals, 2006, 28, 127-135.	2.5	66
108	Multiple-soliton solutions for the Laxâ€“Kadomtsevâ€“Petviashvili (Laxâ€“KP) equation. Applied Mathematics and Computation, 2008, 201, 168-174.	1.4	66

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109	A two-mode modified KdV equation with multiple soliton solutions. Applied Mathematics Letters, 2017, 70, 1-6.	1.5	65
110	Bright and dark optical solitons for (2+1)-dimensional SchrÃ¶dinger (NLS) equations in the anomalous dispersion regimes and the normal dispersive regimes. Optik, 2019, 192, 162948.	1.4	65
111	New $$(3+1)$$-dimensional PainlevÃ© integrable fifth-order equation with third-order temporal dispersion. Nonlinear Dynamics, 2021, 106, 891-897.	2.7	65
112	Exact solutions for the fourth order nonlinear Schrodinger equations with cubic and power law nonlinearities. Mathematical and Computer Modelling, 2006, 43, 802-808.	2.0	63
113	Exact Soliton and Kink Solutions for New (3+1)-Dimensional Nonlinear Modified Equations of Wave Propagation. Open Engineering, 2017, 7, 169-174.	0.7	63
114	Analyzing the combined multi-waves polynomial solutions in a two-layer-liquid medium. Computers and Mathematics With Applications, 2018, 76, 276-283.	1.4	63
115	Optical envelope soliton solutions for coupled nonlinear SchrÃ¶dinger equations applicable to high birefringence fibers. Optik, 2022, 255, 168673.	1.4	63
116	New solitary wave solutions to the modified Kawahara equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 360, 588-592.	0.9	62
117	The tanhâ€“coth and the sineâ€“cosine methods for kinks, solitons, and periodic solutions for the Pochhammerâ€“Chree equations. Applied Mathematics and Computation, 2008, 195, 24-33.	1.4	61
118	Multiple-soliton solutions of two extended model equations for shallow water waves. Applied Mathematics and Computation, 2008, 201, 790-799.	1.4	61
119	Reliable analysis for nonlinear SchrÃ¶dinger equations with a cubic nonlinearity and a power law nonlinearity. Mathematical and Computer Modelling, 2006, 43, 178-184.	2.0	60
120	Sub-ODE method and soliton solutions for the variable-coefficient mKdV equation. Applied Mathematics and Computation, 2009, 214, 370-373.	1.4	60
121	Solution of the model of beam-type micro- and nano-scale electrostatic actuators by a new modified Adomian decomposition method for nonlinear boundary value problems. International Journal of Non-Linear Mechanics, 2013, 49, 159-169.	1.4	60
122	Exact solutions to nonlinear diffusion equations obtained by the decomposition method. Applied Mathematics and Computation, 2001, 123, 109-122.	1.4	59
123	Nonlinear variants of the BBM equation with compact and noncompact physical structures. Chaos, Solitons and Fractals, 2005, 26, 767-776.	2.5	59
124	New solutions of distinct physical structures to high-dimensional nonlinear evolution equations. Applied Mathematics and Computation, 2008, 196, 363-370.	1.4	59
125	General highâ€“order breathers and rogue waves in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mo>(</mml:mo><mml:mn>3</mml:mn><mml:mo>+</mml:mo><mml:mn>1</mml:mn><mml:mo>	1.7	59
126	An analytic study of compactons structures in a class of nonlinear dispersive equations. Mathematics and Computers in Simulation, 2003, 63, 35-44.	2.4	57

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127	The tanh method and a variable separated ODE method for solving double sine-Gordon equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 350, 367-370.	0.9	57
128	Optical solitons for nonlinear SchrÃ¶dinger (NLS) equation in normal dispersive regimes. Optik, 2019, 184, 428-435.	1.4	57
129	New compactons, solitons and periodic solutions for nonlinear variants of the KdV and the KP equations. Chaos, Solitons and Fractals, 2004, 22, 249-260.	2.5	56
130	Exact solutions of compact and noncompact structures for the KPâ€“BBM equation. Applied Mathematics and Computation, 2005, 169, 700-712.	1.4	56
131	Exact and explicit travelling wave solutions for the nonlinear Drinfeldâ€“Sokolov system. Communications in Nonlinear Science and Numerical Simulation, 2006, 11, 311-325.	1.7	56
132	Integrable (2+1)-dimensional and (3+1)-dimensional breaking soliton equations. Physica Scripta, 2010, 81, 035005.	1.2	56
133	Travelling wave solutions for combined and double combined sineâ€“cosine-Gordon equations by the variable separated ODE method. Applied Mathematics and Computation, 2006, 177, 755-760.	1.4	55
134	An algorithm based on the variational iteration technique for the Bratu-type and the Laneâ€“Emden problems. Journal of Mathematical Chemistry, 2016, 54, 527-551.	0.7	55
135	PainlevÃ© analysis for a new integrable equation combining the modified Calogeroâ€“Bogoyavlenskiiâ€“Schiff (MCBS) equation with its negative-order form. Nonlinear Dynamics, 2018, 91, 877-883.	2.7	55
136	Optical bright and dark soliton solutions for coupled nonlinear SchrÃ¶dinger (CNLS) equations by the variational iteration method. Optik, 2020, 207, 164457.	1.4	55
137	Lie Symmetries, Closed-Form Solutions, and Various Dynamical Profiles of Solitons for the Variable Coefficient (2+1)-Dimensional KP Equations. Symmetry, 2022, 14, 597.	1.1	55
138	The variational iteration method for exact solutions of Laplace equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 260-262.	0.9	54
139	Abundant solitons solutions for several forms of the fifth-order KdV equation by using the tanh method. Applied Mathematics and Computation, 2006, 182, 283-300.	1.4	53
140	New sets of solitary wave solutions to the KdV, mKdV, and the generalized KdV equations. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 331-339.	1.7	53
141	Two wave mode higher-order modified KdV equations. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 2223-2230.	1.6	53
142	Bidirectional solitons and interaction solutions for a new integrable fifth-order nonlinear equation with temporal and spatial dispersion. Nonlinear Dynamics, 2020, 101, 581-595.	2.7	53
143	Einstein's vacuum field equation: PainlevÃ© analysis and Lie symmetries. Waves in Random and Complex Media, 2021, 31, 199-206.	1.6	53
144	A reliable technique for solving the wave equation in an infinite one-dimensional medium. Applied Mathematics and Computation, 1998, 92, 1-7.	1.4	52

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145	Two B-type Kadomtsevâ€“Petviashvili equations of (2+1) and (3+1) dimensions: Multiple soliton solutions, rational solutions and periodic solutions. Computers and Fluids, 2013, 86, 357-362.	1.3	52
146	Two new PainlevÃ©-integrable (2+1) and (3+1)-dimensional KdV equations with constant and time-dependent coefficients. Nuclear Physics B, 2020, 954, 115009.	0.9	52
147	The Modified Adomian Decomposition Method for Solving Linear and Nonlinear Boundary Value Problems of Tenth-order and Twelfth-order. International Journal of Nonlinear Sciences and Numerical Simulation, 2000, 1, .	0.4	51
148	A comparison study between the modified decomposition method and the traditional methods for solving nonlinear integral equations. Applied Mathematics and Computation, 2006, 181, 1703-1712.	1.4	51
149	Solitary wave solutions for a generalized KdVâ€“mKdV equation with variable coefficients. Mathematics and Computers in Simulation, 2010, 80, 1867-1873.	2.4	51
150	Multiple soliton solutions for the ()-dimensional asymmetric Nizhnikâ€“Novikovâ€“Veselov equation. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 1314-1318.	0.6	51
151	A new numerical approach to solve Thomasâ€“Fermi model of an atom using bio-inspired heuristics integrated with sequential quadratic programming. SpringerPlus, 2016, 5, 1400.	1.2	51
152	The Numerical Solution of Special Fourth-Order Boundary Value Problems by the Modified Decomposition Method. International Journal of Computer Mathematics, 2002, 79, 345-356.	1.0	50
153	Multiple kink solutions and multiple singular kink solutions for the (2+1)-dimensional Burgers equations. Applied Mathematics and Computation, 2008, 204, 817-823.	1.4	50
154	Bright and dark optical solitons of the (2+1)-dimensional perturbed nonlinear SchrÃ¶dinger equation in nonlinear optical fibers. Optik, 2022, 251, 168334.	1.4	50
155	Multiple kink solutions and multiple singular kink solutions for -dimensional nonlinear models generated by the Jaulentâ€“Miodek hierarchy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1844-1846.	0.9	49
156	New (3+1)-dimensional nonlinear evolution equations with mKdV equation constituting its main part: Multiple soliton solutions. Chaos, Solitons and Fractals, 2015, 76, 93-97.	2.5	49
157	Analytic study on triple-S, triple-triangle structure interactions for solitons in inhomogeneous multi-mode fiber. Applied Mathematics and Computation, 2019, 361, 325-331.	1.4	49
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